

LABdex



Anaerobic Incubator LX100AIR

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Description

Anaerobic Incubator LX100AIR is a high-performance workstation engineered for the precise cultivation of anaerobic microorganisms in research, clinical, and industrial laboratories. Featuring a fully enclosed stainless steel chamber, microprocessor control system, UV sterilization, integrated deoxidization catalyst, and a robust leakage protection mechanism, ensures a stable, oxygen-free environment with uncompromised operator safety.

Specifications

Volume	362 L
Internal chamber dimension (W x D x H)	300 x 190 x 290 mm
Operation chamber dimension (W x D x H)	820 x 660 x 670 mm
Control system	Microprocessor controller
Display	LCD touchscreen
Time for creating anaerobic state in sample chamber	< 5 minutes
Time for creating anaerobic state in operation chamber	< 1 hour
Anaerobic environment maintenance time	> 12 hour (when no supply of mixed gas)
Temperature range	RT+3 to 60 °C
Temperature stability	< ± 0.3 °C
Temperature uniformity	< ± 1 °C
Display resolution	0.1 °C
External dimension (W x D x H)	1260 x 730 x 1380 mm
Net weight	240 Kg
Packing dimension (W x D x H)	1390 x 920 x 1560 mm
Gross weight	320 Kg

Features

- Advanced microprocessor controller with color touchscreen display for precise environmental control

- Corrosion-resistant stainless steel chambers ensure long-term durability and easy maintenance
- High-accuracy sensors and intelligent modules ensure exceptional stability, precision, and safety
- Clear, impact-resistant glass window provides safe and unobstructed internal visibility
- Continuous real-time monitoring of temperature, oxygen levels, and system performance
- Integrated UV sterilization system minimizes the risk of bacterial contamination
- Imported oxygen sensors deliver accurate, real-time oxygen concentration readings
- Built-in leakage protection system enhances operational and environmental safety
- Solenoid valve with intelligent switch control for precise gas flow regulation
- Ergonomic, high-quality latex gloves ensure comfort and secure sample manipulation
- High-efficiency deoxidization catalyst ensures rapid and stable anaerobic conditions
- Wide double-door design enables easy loading of multiple Petri dishes without disrupting the atmosphere
- Dedicated inoculating rod sterilizer and wax melting device streamline sterile workflows
- USB data port supports long-term storage of up to 6 months of operational records

Applications

- Used to anaerobic micro-organism culture to perform studies in microbiology, soil research, pathology labs, oil industry etc.



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